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	NEWS	8	FEB	16	INSPEC Adding Its Own IPC codes and Author's E-mail Addresses
	NEWS	9	APR	02	CAS Registry Number Crossover Limits Increased to 500,000 in Key STN Databases
	NEWS	10	APR	02	PATDPAFULL: Application and priority number formats enhanced
	NEWS	11	APR	02	DWPI: New display format ALLSTR available
	NEWS	12	APR	02	New Thesaurus Added to Derwent Databases for Smooth Sailing through U.S. Patent Codes
	NEWS	13	APR	02	EMBASE Adds Unique Records from MEDLINE, Expanding Coverage back to 1948
	NEWS	14	APR	07	CA/CAplus CLASS Display Streamlined with Removal of Pre-IPC 8 Data Fields
	NEWS	15	APR	07	50,000 World Traditional Medicine (WTM) Patents Now Available in CAplus
	NEWS	16	APR	07	MEDLINE Coverage Is Extended Back to 1947
	NEWS	EXP	RESS		RUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2, CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.
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NEWS LOGIN

## 10589743

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Uploading C:\Program Files\Stnexp\Queries\10589743.str





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18 19 20 22
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
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ring bonds :
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14-15 15-16 16-17
exact/norm bonds :
1-2 1-5 1-15 4-5 18-19 18-20 19-22
exact bonds :
2-3 2-10 3-4 4-18
normalized bonds :
6-7 6-11 7-8 8-9 9-10 10-11 12-13 12-17 13-14 14-15 15-16 16-17
isolated ring systems :
containing 1 : 6 : 12 :
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## G1:H,CH3,Et,n-Pr,Ak

Match level: 1:1Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS 20:CLASS 2:CLASS 2:CLA

L1 STRUCTURE UPLOADED

=> d 11 L1 HAS NO ANSWERS L1 STR

G1 H, Me, Et, n-Pr, Ak

Structure attributes must be viewed using STN Express query preparation.

9 TO

=> s 11

SAMPLE SEARCH INITIATED 15:46:43 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1539 TO ITERATE

100.0% PROCESSED 1539 ITERATIONS SEARCH TIME: 00.00.01 9 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*
BATCH \*\*COMPLETE\*\*
PROJECTED ITERATIONS: 28427 TO 33133

PROJECTED ANSWERS:

9 SEA SSS SAM L1

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SEARCH TIME: 00.00.01

L3 179 SEA SSS FUL L1

=> FIL HCAPLUS

 COST IN U.S. DOLLARS
 SINCE FILE
 TOTAL

 BNTRY
 SESSION

 FULL ESTIMATED COST
 191.54
 191.75

FILE 'HCAPLUS' ENTERED AT 15:46:57 ON 04 MAY 2010

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FILE COVERS 1907 - 4 May 2010 VOL 152 ISS 19
FILE LAST UPDATED: 3 May 2010 (20100503/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2010

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the first quarter of 2010.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> s 15 and us/pc 2071306 US/PC L10 4 L5 AND US/PC => d 16 ibib abs hitstr tot

L6 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2002:793411 HCAPLUS

DOCUMENT NUMBER: 137:310911

TITLE: Utilization of pyrazoline derivatives, as inhibitors of the expression of the gene responsible for COX-2 synthesis, in the preparation of a medicament for the prevention and/or treatment of proliferative cell.

diseases

INVENTOR(S): Cuberes-Altisent, Maria Rosa; Berrocal-Romero, Juana Maria; Contijoch-Llobet, Maria Montserrat;

Maria; Contijoch-Llobet, Maria Montserrat; Frigola-Constansa, Jordi

PATENT ASSIGNEE(S): Laboratorios del Esteve, S.A., Spain

SOURCE: PCT Int. Appl., 54 pp. CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Spanish FAMILY ACC. NUM. COUNT: 1

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				CN	2002-809893	A3	20020321	
				EP	2002-714233	A3	20020321	
				WO	2002-ES137	W	20020321	
OTHER SO	DURCE(S):	MARPAT	137:310911					

AB The invention relates to pyrazoline derivs. I [wherein R1 = H, Me, CH2F, CHF2, CF3, CO2H, C1-4 alkoxycarbonyl, CONH2, or cyano; R2 = H or Me; R3, R4, R7, R8 = H, C1, F, Me, CF3, or OMe; R5, R6 = H, C1, F, Me, CF3, OMe, OCF3, SO2Me, SO2NH2, or SO2NHAc, provided that 1 of R5 or R6 = SO2Me, SO2NH2, or SO2NHAc, and provided that if R1 = Me, then: R2 = H or Me; R3 and R8 = H, C1, F, Me, or CF3; R4 = H, F, Me, CF3, or OMe; R5 = F, CF3, CF30, SO2Me, SO2NH2, or SO2NHAc; R6 = H, C1, F, Me, CF3, OMe, OCF3, SO2Me, SO2NH2, or SO2NHAc, provided that 1 of the substituents R5 or R6 = SO2Me, SO2NH2, or SO2NHAC; and R7 = H, C1, F, Me, CF3, or OMe; including physiol. acceptable salts]. I are useful for the prevention or treatment of proliferative cell diseases. In particular, I are useful for treatment of pre-neoplastic or neoplastic processes, tumoral angiogenesis, cachexia, and processes related to tumor necrosis factor (TNF). Generally, I are useful for treating processes where there would be benefit by inhibiting the expression of the gene responsible for the synthesis of cyclooxygenase 2 (COX-2), notably in mammals, and particularly in humans. A list of 84 specific examples is provided, and a similar list of 84 compds. (1 difference) is claimed. Six examples of individual enantiomers are given, the remainder being racemic. For instance, condensation of 2,4-difluorobenzaldehyde with either CH3COCF3 (68%) or the reaction product of LiCH2PO3Et2 with PhN:C(Cl)CF3 (81%) gave (E)-1,1,1-trifluoro-4-(2,4-difluoropheny1)-3-buten-2-one. Cyclocondensation of the latter enone with 4-(H2NSO2)C6H4NHNH2.HC1 gave

61% invention compound (±)-II, which was resolved by chromatog. on CHIRALPAK AS to give (+) - and (-)-II with enantiomeric purities of 99.9% or greater. In tests against human colorectal cancer cell lines NC59 and TD20, (±)-II had IC50 values of 29.87 and 33.87  $\mu$ M, resp. I also inhibited the induction of COX-2 in JURKAT cells, were active against breast cancer cells in culture (IC50 12-18 µM), inhibited angiogenesis (as determined by induction of expression of VEGF and TF in cell culture), and inhibited production of TNF- $\alpha$  in the air-pouch model in mice. 251443-24-0P, 1-(4-Aminosulfonvlphenvl)-4,5-dihvdro-5-(4methylphenyl)-1H-pyrazole-3-carboxylic acid 251443-25-1P. 1-(4-Aminosulfonylphenyl)-4,5-dihydro-5-phenyl-1H-pyrazole-3-carboxylic 251443-26-2P, 4,5-Dihydro-5-(4-methylphenyl)-1-(4methylsulfonylphenyl)-1H-pyrazole-3-carboxylic acid 251443-27-3P , Methyl 1-(4-aminosulfonylphenyl)-4,5-dihydro-5-(4-methylphenyl)-1Hpyrazole-3-carboxylate 251443-28-4P, Methyl -(4-aminosulfonylphenyl)-4,5-dihydro-5-phenyl-1H-pyrazole-3-carboxylate 251443-29-5P, Methyl 4,5-dihydro-5-(4-methylphenyl)-1-(4methylsulfonylphenyl)-1H-pyrazole-3-carboxylate RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation and use of pyrazoline derivs. as COX-2 gene expression inhibitors for prevention and/or treatment of proliferative cell diseases)

- RN 251443-24-0 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-(4-methylphenyl)- (CA INDEX NAME)

- RN 251443-25-1 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5phenyl- (CA INDEX NAME)

RN 251443-26-2 HCAPLUS
CN 1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-(4-methylphenyl)-1-[4(methylsulfonyl)phenyl]- (CA INDEX NAME)

RN 251443-27-3 HCAPLUS

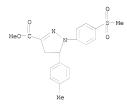
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RN 251443-28-4 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5phenyl-, methyl ester (CA INDEX NAME)

RN 251443-29-5 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-(4-methylphenyl)-1-[4-(methylsulfonyl)phenyl]-, methyl ester (CA INDEX NAME)



OS.CITING REF COUNT: 21 THERE ARE 21 CAPLUS RECORDS THAT CITE THIS

RECORD (21 CITINGS)

REFERENCE COUNT: THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD, ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1999:784081 HCAPLUS DOCUMENT NUMBER: 132:12302

TITLE: Diarylpyrazoles as inhibitors of cyclooxygenase-2 INVENTOR(S): Cuberes-Altisent, Maria Rosa; Berrocal-Romero, Juana

Maria; Contijoch-Llobet, Maria Montserrat;

Frigola-Constansa, Jordi

PATENT ASSIGNEE(S): Laboratorios Del Esteve, S.A., Spain SOURCE: PCT Int. Appl., 60 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Spanish

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. \_\_\_\_ ----------WO 9962884 19991209 WO 1999-ES156 19990527 <--A1 W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,

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PRIORITY APPLN. INFO.:
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ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT OTHER SOURCE(S): MARPAT 132:12302 GT

- IT 251443-24-0P 251443-26-2P
  RL: RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use);
  BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent);
  USES (Uses)
- (preparation of diarylpyrazoles as inhibitors of cyclooxygenase-2)  ${\tt RN} 251443-24-0 {\tt HCAPLUS}$
- CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-(4-methylphenyl)- (CA INDEX NAME)

- RN 251443-26-2 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-(4-methylphenyl)-1-[4-(methylsulfonyl)phenyl]- (CA INDEX NAME)

- IT 251443-25-1P 251443-27-3P 251443-28-4P 251443-29-5P
  - RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of diarylpyrazoles as inhibitors of cyclooxygenase-2)
- (preparation of diaryipyrazoles as inhibitors of cyclooxygenase-2 RN 251443-25-1 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5phenyl- (CA INDEX NAME)

- RN 251443-27-3 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-(4-methylphenyl)-, methyl ester (CA INDEX NAME)

RN 251443-28-4 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5phenyl-, methyl ester (CA INDEX NAME)

RN 251443-29-5 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-(4-methylphenyl)-1-[4-(methylsulfonyl)phenyl]-, methyl ester (CA INDEX NAME)

OS.CITING REF COUNT: 24 THERE ARE 24 CAPLUS RECORDS THAT CITE THIS

RECORD (25 CITINGS)

1991:492261 HCAPLUS

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2010 ACS on STN

DOCUMENT NUMBER: 115:92261

ORIGINAL REFERENCE NO.: 115:15883a,15886a

TITLE: Preparation of 1-phenylpyrazoline-3-carboxylates as

herbicide safeners

INVENTOR(S): Roesch, Wolfgang; Sohn, Erich; Bauer, Klaus;

Bieringer, Hermann
PATENT ASSIGNEE(S): Hoechst A.-G., Germany

SOURCE: Ger. Offen., 12 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

IMIEMI INFORMATION.

ACCESSION NUMBER:

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ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT OTHER SOURCE(S): MARPAT 115:92261
GI

AB The title compds. [I; X = halo, haloalkyl; n = 1-3; Rl = H, alkyl, cycloalkyl, trialkylsilyl, trialkylsilylmethyl, alkoxyalkyl; R2, R3 = H, alkyl, cycloalkyl, alkenyl, alkynyl, haloalkyl, alkoxyalkyl, hydroxyalkyl, alkoxyarbonyl, alkylcarbonyl, alkylaminocarbonyl, halo, cyano, (substituted) Ph; R2R3 = atoms to form a ringl, were prepared Thus, methacrylonitrile and Bt3M at 70° were treated with Et 2-chloroglyoxalate 2,3-dichloroghenylhydrazone in dimethoxy ethane over 0.5 h; the mixture was stirred 4 h at 80° to give title compound II. II at 1.25 kg/ha reduced damage to wheat caused by 2.0 kg/ha Et feroxaprop from 70% to 30%. Other I gave complete protection.

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of, as herbicide safener)

RN 135590-92-0 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-5-phenyl-, ethyl ester (CA INDEX NAME)

OS.CITING REF COUNT: 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1989:75489 HCAPLUS DOCUMENT NUMBER: 110:75489

ORIGINAL REFERENCE NO.: 110:12477a,12480a

TITLE: Preparation of N,1-diphenyl-2-pyrazoline-3-carboxamides as

insecticides

INVENTOR(S): Stevenson, Thomas Martin

PATENT ASSIGNEE(S): du Pont de Nemours, E. I., and Co., USA

SOURCE: PCT Int. Appl., 147 pp.

CODEN: PIXXD2
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PA	TENT NO.			KIND	DATE	APPLICATION NO.		DATE
WO	8806583			A1	19880907	WO 1987-US3235		19871214 <
	W: AU,	BR.	JP.	KR				
					FR, GB, IT,	LU, NL, SE		
AU	8811544			A	19880926	AU 1988-11544		19871214 <
AU	598633			B2	19900628			
JP	01502513			T	19890831	JP 1988-501073		19871214 <
JP	05081591			В	19931115			
EP	330678			A1	19890906	EP 1988-900910		19871214 <
EP	330678			B1	19901024			
	R: AT,	BE,	CH,	DE, E	FR, GB, IT,	LI, LU, NL, SE		
BR	8707672			A	19891003	BR 1987-7672		19871214 <
AT	57690			T	19901115	AT 1988-900910		19871214 <
ES	2008408			A6	19890716	ES 1988-6		19880104 <
CN	88100104			A	19880720	CN 1988-100104		19880105 <
ZA	8800040			A	19890927	ZA 1988-40		19880105 <
PRIORIT	Y APPLN.	INFO.	. :			US 1987-326	A	19870105
						US 1987-113530	A	19871028
						EP 1988-900910	A	

WO 1987-US3235 A 19871214

OTHER SOURCE(S): MARPAT 110:75489

GI

AB The title compds. [I; A = H, alkyl, (un) substituted Ph; B = H, alkenyl, alkynyl, alkoxycarbonyl, (un) substituted alkyl, Ph; X = O, S; X1, X2 = (un) substituted Ph; Y = H, alkyl, alkoxyalkyl, alkylthio, haloalkylthio, (un) substituted PhS] were prepared 4-ClC6H4NH2 was diazotized and the resulting solution added to MeCOCHC1CO2Et in EtOH containing NaOAc to give,

after

2 h stirring, 4-ClC6H4NHN:CClC02Et which was refluxed with 4-ClC6H4CH:CH2 in benzene containing Et3N to give pyrazolinecarboxylate II (R = Et0). The latter was converted in 2 steps to II (R = Cl) which was stirred 18 h with 4-F3CC6H4NH2 to give II (R = 4-F3CC6H4NH), which gave ≥80% kill of fall armyworm larvae sprayed in cups at 0.5 lb./acre. 118010-85-8P

118010-70-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction of, in preparation of insecticides) 118010-70-1 HCAPLUS

RN

CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-, ethyl ester (CA INDEX NAME)

RN 118010-85-8 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-5-methyl-, ethyl ester (CA INDEX NAME)

IT 118010-64-39 118010-65-4P 118010-66-5P 118010-68-79 118010-68-79 118010-79-19 118010-71-29 118010-71-29 118010-73-4P 118010-74-5P 118010-75-6P 118010-76-7P 118010-77-8P 118010-78-9P 118010-79-9P

T18010-80-3P 118010-81-4P RL: AGR (Agricultural use); BAC (Biological activity or effector, except

adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of, as insecticide) RN 118010-64-3 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 5-(4-chlorophenyl)-1-(4-fluorophenyl)-4,5-dihvdro- (CA INDEX NAME)

RN 118010-65-4 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 5-(4-cyanophenyl)-1-(4-fluorophenyl)-4,5dihydro- (CA INDEX NAME)

HO<sub>2</sub>C

RN 118010-66-5 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(4-fluorophenyl)-4,5dihydro- (CA INDEX NAME)

HO<sub>2</sub>C

RN 118010-68-7 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(3,4-difluorophenyl)-4,5-dihydro- (CA INDEX NAME)

RN 118010-69-8 HCAPLUS
CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-,
methyl ester (CA INDEX NAME)

RN 118010-70-1 HCAPLUS
CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-, ethyl
ester (CA INDEX NAME)

- RN 118010-71-2 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(4-fluorophenyl)-4,5dihydro-, methyl ester (CA INDEX NAME)

- RN 118010-72-3 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(4-cyanophenyl)-4,5dihydro-, methyl ester (CA INDEX NAME)

- RN 118010-73-4 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-4,5-dihydro-5-[4-(trifluoromethyl)phenyl]-, methyl ester (CA INDEX NAME)

- RN 118010-74-5 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(3,4-dichlorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

- RN 118010-75-6 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(3,4-difluorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

10589743

RN 118010-76-7 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 5-(3-chlorophenyl)-1-(4-chlorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

RN 118010-77-8 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-5-methyl-, methyl ester (CA INDEX NAME)

RN 118010-78-9 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 5-(4-chlorophenyl)-1-(4-fluorophenyl)-4,5-

dihydro-, methyl ester (CA INDEX NAME)

RN 118010-79-0 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-fluorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

RN 118010-80-3 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 5-(4-cyanophenyl)-1-(4-fluorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

RN 118010-81-4 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 5-(3,4-difluorophenyl)-1-(4-fluorophenyl)-4.5-dihvdro-, methyl ester (CA INDEX NAME)

10 RECORD (10 CITINGS)

L6 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2010 ACS on STN ACCESSION NUMBER: 1989:23882 HCAPLUS

DOCUMENT NUMBER: 110:23882 ORIGINAL REFERENCE NO.: 110:4041a,4044a

TITLE:

Insecticidal pyrazolinecarboxanilidess, and their compositions and use in insect control

THERE ARE 10 CAPLUS RECORDS THAT CITE THIS

INVENTOR(S): Stevenson, Thomas Martin PATENT ASSIGNEE(S): du Pont de Nemours, E. I., and Co., USA

SOURCE: PCT Int. Appl., 145 pp. CODEN: PIXXD2

DOCUMENT TYPE: Patent English

LANGUAGE: FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

OS.CITING REF COUNT:

PATENT NO. KIND DATE APPLICATION NO. DATE

WO 8805046		A2	19880714	WO 1988-US1		19880104	<
WO 8805046		A3	19880811				
W: SD	, US						
EP 330678		A1	19890906	EP 1988-900910		19871214	<
EP 330678		B1	19901024				
R: AT	BE, CH,	DE, FR	, GB, IT,	LI, LU, NL, SE			
ES 2008408		A6	19890716	ES 1988-6		19880104	<
CN 8810010	4	A	19880720	CN 1988-100104		19880105	<
ZA 8800040		A	19890927	ZA 1988-40		19880105	<
US 5091405		A	19920225	US 1989-378529		19890512	<
PRIORITY APPLN.	INFO.:			US 1987-326	A1	19870105	
				US 1987-113530	A1	19871028	
				WO 1988-US1	W	19880104	

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT OTHER SOURCE(S): MARPAT 110:23882 GI

- AR The title compds. [I; R1 = substituted Ph; R2 = (un)substituted Ph; X = 0, S; Y = H, alkyl, alkoxyalkyl, alkylthio, haloalkylthio, alkoxycarbonyl, CHO, alkanoyl, haloalkanoyl, (un) substituted PhS; A = H, alkyl, cyano, CO2R3, COR3, CONR3R4, CSNR3R4, C(S)R3, CS2R3, (un)substituted Ph; B = H, alkyl, haloalkyl, alkoxyalkyl, cyanoalkyl, alkoxycarbonylalkyl, alkenyl, alkynyl, alkoxycarbonyl, (un)substituted Ph. PhCH2; R3 = (halo)alkyl, (halo)alkenyl, (halo)alkynyl, alkoxyalkyl, alkylthioalkyl, nitroalkyl, cyanoalkyl, alkoxycarbonylalkyl, (halo)cycloalkyl, (un)substituted Ph, PhCH2; R4 = H, alkyl; R3R4 = (CH2)4, (CH2)5, CH2CH2OCH2CH2] are prepared as insecticides. Reaction of 4-ClC6H4NHN:CClC02Et (preparation given) with 4-ClC6H4CH:CH2 via formation and dipolar cycloaddn. of a nitrile-imine (Et3N in C6H6) gave Et 1,5-bis(4-chlorophenyl)-4,5-dihydro-1H-pyrazole-3carboxylate, which was saponified, converted to the acid chloride, amidated with 4-H2NC6H4CF3 to give pyrazolinecarboxanilide II. A formulation contained 10% II on attapulgite granules. As a spray at 0.55 kg/ha II gave ≥80% kill of Spodoptera frugiperda larvae. ΙT 118010-87-0P 118010-91-6P
- RL: SPN (Synthetic preparation); PREP (Preparation)
  (preparation and conversion of, to acid chloride)
- RN 118010-87-0 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro- (CA INDEX NAME)

10589743

RN 118010-91-6 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1-(3,4-dichlorophenyl)-5-(4-fluorophenyl)-4,5-dihydro- (CA INDEX NAME)

IT 118010-85-8P RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and saponification and amidation of)

RN 118010-85-8 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-5-methyl-, ethyl ester (CA INDEX NAME)

IT 118010-70-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and saponification of)

RM 118010-70-1 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-, ethyl ester (CA INDEX NAME)

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic

preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as insecticide)

118010-64-3 HCAPLUS RN

CN 1H-Pyrazole-3-carboxylic acid, 5-(4-chlorophenyl)-1-(4-fluorophenyl)-4,5dihydro- (CA INDEX NAME)

RN 118010-65-4 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 5-(4-cyanophenyl)-1-(4-fluorophenyl)-4,5dihydro- (CA INDEX NAME)

118010-66-5 HCAPLUS RN

CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(4-fluorophenyl)-4,5dihydro- (CA INDEX NAME)

118010-68-7 HCAPLUS RN CN

1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(3,4-difluorophenyl)-4,5-dihydro- (CA INDEX NAME)

RN 118010-69-8 HCAPLUS

1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-, CN methyl ester (CA INDEX NAME)

- RN 118010-70-1 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-, ethyl ester (CA INDEX NAME)

- RN 118010-71-2 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(4-fluorophenyl)-4,5dihydro-, methyl ester (CA INDEX NAME)

- RN 118010-72-3 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(4-cyanophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

- RN 118010-73-4 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-4,5-dihydro-5-[4-(trifluoromethyl)phenyl]-, methyl ester (CA INDEX NAME)

- RN 118010-74-5 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(3,4-dichlorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

- RN 118010-75-6 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(3,4-difluorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

Page 32

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10589743

- RN 118010-76-7 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 5-(3-chlorophenyl)-1-(4-chlorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

- RN 118010-77-8 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-5-methyl-, methyl ester (CA INDEX NAME)

- RN 118010-78-9 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 5-(4-chlorophenyl)-1-(4-fluorophenyl)-4,5-

dihydro-, methyl ester (CA INDEX NAME)

RN 118010-79-0 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-fluorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

RN 118010-80-3 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 5-(4-cyanophenyl)-1-(4-fluorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

RN 118010-81-4 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 5-(3,4-difluorophenyl)-1-(4-fluorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

OS.CITING REF COUNT:

25 THERE ARE 25 CAPLUS RECORDS THAT CITE THIS RECORD (28 CITINGS)

=> d 19 ibib abs hitstr tot

L9 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2002:793411 HCAPLUS

DOCUMENT NUMBER: 137:310911

TITLE: Utilization of pyrazoline derivatives, as inhibitors of the expression of the gene responsible for COX-2 synthesis, in the preparation of a medicament for the

prevention and/or treatment of proliferative cell diseases

INVENTOR(S): Cuberes

Cuberes-Altisent, Maria Rosa; Berrocal-Romero, Juana Maria; Contijoch-Llobet, Maria Montserrat;

Frigola-Constansa, Jordi

PATENT ASSIGNEE(S): Laboratorios del Esteve, S.A., Spain

SOURCE: PCT Int. Appl., 54 pp.

CODEN: PIXXD2 Patent

DOCUMENT TYPE: LANGUAGE:

LANGUAGE: Spanish FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND DATE	APPLICATION NO.	
CO, CR, CU GM, HR, HU LS, LT, LU PL, PT, RO	A1 20021017 AM, AT, AU, AZ, CZ, DE, DK, DM, ID, IL, IN, IS, LV, MA, MD, MG,	WO 2002-ES137 BA, BB, BG, BR, BY, DZ, EC, EE, ES, FI, JP, KE, KG, KP, KR, MK, MN, MW, MZ, SI, SK, SL, TJ, TM,	GB, GD, GE, GH, KZ, LC, LK, LR, NO, NZ, OM, PH,
RW: GH, GM, KE CY, DE, DK	LS, MW, MZ, SD, ES, FI, FR, GB, CG, CI, CM, GA,	SL, SZ, TZ, UG, ZM, GR, IE, IT, LU, MC, GN, GQ, GW, ML, MR,	NL, PT, SE, TR,
ES 2174757 ES 2174757 CA 2442974	A1 20021101 B1 20031101		20010406 <
CA 2442974 CA 2442974	A1 20021017 C 20100223	CA 2002-2442974	20020321 <
AU 2002246152 AU 2002246152 ED 1384477	A1 20021021 B2 20070531 A1 20040128	AU 2002-246152 EP 2002-714233	20020321 <
EP 1384477 R: AT, BE, CH	B1 20060524 DE, DK, ES, FR,	GB, GR, IT, LI, LU,	NL, SE, MC, PT,
IE, SI, LT CN 1509171	LV, FI, RO, MK, A 20040630	CY, AL, TR CN 2002-809893	20020321 <
BR 2002008805 HU 2004000918 HU 2004000918	A 20040713 A2 20040728 A3 20041028	CN 2002-809893  BR 2002-8805  HU 2004-918  JP 2002-578948  ZA 2003-8626  EP 2004-30751  GB, GR, IT, LI, LU,	20020321 < 20020321 <
JP 2004525166 JP 4451599	T 20040819 B2 20100414	JP 2002-578948	20020321 <
ZA 2003008626 EP 1516621 EP 1516621	A 20041105 A2 20050323 A3 20050504	ZA 2003-8626 EP 2004-30751	20020321 < 20020321
TO OT DT	DO CV TD		
CN 1698602 NZ 529304 AT 326966 PT 1384477 ES 2264723 RU 2305545 US 20040034082 NO 2003004470 MX 200300124 HK 1067311	A 20060224 T 20060615 E 20060929 T3 20070116 C2 20070910 A1 20040219 A 20031205 A 20050411	CN 2005-10071309 NZ 2002-529304 AT 2002-714233 PT 2002-714233 ES 2002-714233 RU 2003-132457 US 2002-312193 NO 2003-4470 MX 2003-9124	20020321 20020321 20020321 20020321 20020321 20021217 <
PRIORITY APPLN. INFO.:		ES 2001-818 CN 2002-809893 EP 2002-714233 WO 2002-ES137	20041230 A 20010406 A3 20020321 A3 20020321 W 20020321
OTHER SOURCE(S): GI	MARPAT 137:3109	11	

$$R^3$$
  $R^2$   $N$   $N$   $R^8$   $R^7$   $O=S$   $NH_2$   $II$ 

AB The invention relates to pyrazoline derivs. I [wherein R1 = H, Me, CH2F, CHF2, CF3, CO2H, C1-4 alkoxycarbonyl, CONH2, or cyano; R2 = H or Me; R3, R4, R7, R8 = H, C1, F, Me, CF3, or OMe; R5, R6 = H, C1, F, Me, CF3, OMe, OCF3, SO2Me, SO2NH2, or SO2NHAc, provided that 1 of R5 or R6 = SO2Me, SO2NH2, or SO2NHAc, and provided that if R1 = Me, then: R2 = H or Me; R3 and R8 = H, C1, F, Me, or CF3; R4 = H, F, Me, CF3, or OMe; R5 = F, CF3, CF30, SO2Me, SO2NH2, or SO2NHAC; R6 = H, C1, F, Me, CF3, OMe, OCF3, SO2Me, SO2NH2, or SO2NHAc, provided that 1 of the substituents R5 or R6 = SO2Me, SO2NH2, or SO2NHAC; and R7 = H, Cl, F, Me, CF3, or OMe; including physiol. acceptable salts]. I are useful for the prevention or treatment of proliferative cell diseases. In particular, I are useful for treatment of pre-neoplastic or neoplastic processes, tumoral angiogenesis, cachexia, and processes related to tumor necrosis factor (TNF). Generally, I are useful for treating processes where there would be benefit by inhibiting the expression of the gene responsible for the synthesis of cyclooxygenase 2 (COX-2), notably in mammals, and particularly in humans. A list of 84 specific examples is provided, and a similar list of 84 compds. (1 difference) is claimed. Six examples of individual enantiomers are given, the remainder being racemic. For instance, condensation of 2,4-difluorobenzaldehyde with either CH3COCF3 (68%) or the reaction product of LiCH2PO3Et2 with PhN:C(Cl)CF3 (81%) gave (E)-1,1,1-trifluoro-4-(2,4-difluorophenyl)-3-buten-2-one. Cyclocondensation of the latter enone with 4-(H2NSO2)C6H4NHNH2.HCl gave 61% invention compound (±)-II, which was resolved by chromatog. on CHIRALPAK AS to give (+) - and (-)-II with enantiomeric purities of 99.9% or greater. In tests against human colorectal cancer cell lines NC59 and TD20, (±)-II had IC50 values of 29.87 and 33.87 µM, resp. I also inhibited the induction of COX-2 in JURKAT cells, were active against breast cancer cells in culture (IC50 12-18 µM), inhibited angiogenesis (as determined by induction of expression of VEGF and TF in cell culture), and inhibited production of TNF- $\alpha$  in the air-pouch model in mice. 251443-24-0P, 1-(4-Aminosulfonvlphenvl)-4,5-dihvdro-5-(4methylphenyl)-1H-pyrazole-3-carboxylic acid 251443-25-1P,

methylphenyl)-1H-pyrazole-3-carboxylic acid 251443-25-1P, 1-(4-Aminosulfonylphenyl)-4,5-dihydro-5-phenyl-1H-pyrazole-3-carboxylic acid 251443-26-2P, 4,5-Dihydro-5-(4-methylphenyl)-1-(4-methylsulfonylphenyl)-1H-pyrazole-3-carboxylic acid 251443-27-3P, Methyl 1-(4-aminosulfonylphenyl)-4,5-dihydro-5-(4-methylphenyl)-1H-pyrazole-3-carboxylate 251443-28-4P, Methyl

 $\label{lem:condition} $$1-(4-aminosulfonylphenyl)-4,5-dihydro-5-phenyl-1H-pyrazole-3-carboxylate $$251443-29-5P$, Methyl 4,5-dihydro-5-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methyl$ 

methylsulfonylphenyl)-1H-pyrazole-3-carboxylate

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation and use of pyrazoline derivs. as COX-2 gene expression inhibitors for prevention and/or treatment of proliferative cell diseases)

1 251443-24-0 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-(4-methylphenyl)- (CA INDEX NAME)

RN 251443-25-1 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5phenyl- (CA INDEX NAME)

RN 251443-26-2 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-(4-methylphenyl)-1-[4-(methylsulfonyl)phenyl]- (CA INDEX NAME)

- RN 251443-27-3 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-(4-methylphenyl)-, methyl ester (CA INDEX NAME)

- RN 251443-28-4 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5phenyl-, methyl ester (CA INDEX NAME)

- RN 251443-29-5 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-(4-methylphenyl)-1-[4-(methylsulfonyl)phenyl]-, methyl ester (CA INDEX NAME)

THERE ARE 21 CAPLUS RECORDS THAT CITE THIS OS.CITING REF COUNT: 21

RECORD (21 CITINGS) REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2010 ACS on STN 1999:784081 HCAPLUS

ACCESSION NUMBER:

DOCUMENT NUMBER: 132:12302

TITLE: Diarylpyrazoles as inhibitors of cyclooxygenase-2 INVENTOR(S): Cuberes-Altisent, Maria Rosa; Berrocal-Romero, Juana

Maria; Contijoch-Llobet, Maria Montserrat;

Frigola-Constansa, Jordi

PATENT ASSIGNEE(S): Laboratorios Del Esteve, S.A., Spain SOURCE: PCT Int. Appl., 60 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: Spanish

FAMILY ACC. NUM. COUNT: 1 PATENT INFORMATION:

PAT	ENT	NO.			KIN	D	DATE			APPL	ICAT	ION 1	NO.		D	ATE		
WO	9962	884			A1		1999	1209		WO 1	999-	ES15	6		1	9990	527	<
	W:	ΑE,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	CA,	CH,	CN,	CU,	CZ,	
								GD,										
								LC,										
								PT,					SG,	SI,	SK,	SL,	ТJ,	
								UZ,										
	RW:	GH,																
								IT,					SE,	BF,	BJ,	CF,	CG,	
								MR,										
	2137									ES 1	998-	1129			1	9980	529	<
	2137						2000											
	2333									CA 1	999-	2333	475		1	9990	527	<
	2333																	
ΑU	9939	329			A		1999	1220		AU 1	999-	3932	9		1:	9990	527	<
ΑU	7520	01			B2			0905										
EP	1083	171			A1		2001	0314		EP 1	999-	9221	92		1	9990	527	<
EP	1083	171			В1		2004	0428										
	R:			CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,	
BR	9910	IE, 801			A		2001	1127		BR 1	999-	1080	1		13	9990	527	<

SI	20580	A	20011231	SI	1999-20042		19990527	<
HU	2001002102	A2	20020328	HU	2001-2102		19990527	<
HU	2001002102	A3	20020628					
JP	2002516908	T	20020611	JP	2000-552096		19990527	<
NZ	508990	A	20021220	NZ	1999-508990		19990527	<
TW	572898	В	20040121	TW	1999-88108709		19990527	<
AT	265437	T	20040515	AT	1999-922192		19990527	<
RU	2233272	C2	20040727	RU	2000-133231		19990527	<
PT	1083171	E	20040930	PT	1999-922192		19990527	<
ES	2221382	T3	20041216	ES	1999-922192		19990527	<
CN	1189459	C	20050216	CN	1999-808111		19990527	
SK	285550	B6	20070301	SK	2000-1807		19990527	
CZ	298391	B6	20070919	CZ	2000-4418		19990527	
NO	2000006029	A	20010126	NO	2000-6029		20001128	<
BG	105005	A	20010831	BG	2000-105005		20001128	<
BG	64950	B1	20061031					
LT	4879	В	20020125	LT	2000-108		20001128	<
US	6353117	B1	20020305	US	2000-701276		20001128	<
US	38963	E1	20060131	US	2000-229880		20001128	<
MX	2000011839	A	20010521	MX	2000-11839		20001129	<
IN	216904	A1	20080321	IN	2000-CN668		20001217	
ZA	2000007638	A	20011113	ZA	2000-7638		20001219	<
IN	2000KN00668	A	20050311	IN	2000-KN668		20001227	
LV	12632	В	20010720	LV	2000-161		20001228	<
PRIORITY	APPLN. INFO.:			ES	1998-1129	Α	19980529	
					1999-ES156	W	19990527	
TO CE CONTRACT	NIE STORODIE DOD HO	DA MENTE		T 2 7	OHO DECRETAL BODA			

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT OTHER SOURCE(S): MARPAT 132:12302 GI

AB Diarylpyrazoles I R1 = H, Me, CH2F, CHF2, CF3, CO2H, alkoxycarbonyl, carbamoyl, CN, R2 = H, Me, R3, R4, R7, R8 = H, Cl, F, Me, CF3, OMe; R5 = H, Cl, F, Me, CF3, OMe, OCF3, R6 = SO2Me, SO2NH2, SO2NHAC; R5 = SO2Me, SO2NH2, SO2NHAC; R6 = H, Cl, F, Me, CF3, OMe, OCF3| were prepared for use in treating inflammation and other processes mediated by COX-2. Thus, 2, 4-F2C6H3CHO was treated with CF3COMe to give (E)-2, 4-F2C6H3CH:CHCCCF3 which was cyclized with 4-H2NSO2C6H4NHNH2 to give I [R1 = CF3, R2-R4, R7, R8 = H, R5 = SO2Me, R6 = Me] which gave 92% inhibition of COX-2 activity at 40 mg/kg orally in rats.

IT 251443-24-0P 251443-26-2P

RL: RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of diarylpyrazoles as inhibitors of cyclooxygenase-2)

RN 251443-24-0 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-(4-methylphenyl) - (CA INDEX NAME)

251443-26-2 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-(4-methylphenyl)-1-[4-(methylsulfonyl)phenyl] - (CA INDEX NAME)

251443-25-1P ТТ 251443-27-3P 251443-28-4P 251443-29-5P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of diarylpyrazoles as inhibitors of cyclooxygenase-2)

RN 251443-25-1 HCAPLUS

CN 1H-Pvrazole-3-carboxvlic acid, 1-[4-(aminosulfonvl)phenvl]-4,5-dihvdro-5phenvl- (CA INDEX NAME)

- RN 251443-27-3 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-(4-methylphenyl)-, methyl ester (CA INDEX NAME)

- RN 251443-28-4 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5phenyl-, methyl ester (CA INDEX NAME)

- RN 251443-29-5 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-(4-methylphenyl)-1-[4-(methylsulfonyl)phenyl]-, methyl ester (CA INDEX NAME)

OS.CITING REF COUNT: 24 THERE ARE 24 CAPLUS RECORDS THAT CITE THIS RECORD (25 CITINGS)

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1991:492261 HCAPLUS
DOCUMENT NUMBER: 115:92261
ORIGINAL REFERENCE NO.: 115:15883a,15886a

TITLE: Preparation of 1-phenylpyrazoline-3-carboxylates as

herbicide safeners

INVENTOR(S): Roesch, Wolfgang; Sohn, Erich; Bauer, Klaus;

Bieringer, Hermann
PATENT ASSIGNEE(S): Hoechst A.-G., Germany

SOURCE: Ger. Offen., 12 pp.

CODEN: GMXXBX

DOCUMENT TYPE: Patent LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA:	TENT NO.			KIN	D DATE	APPLICATION NO.		DATE	
DE.	3939503			A1	19910606	DE 1989-3939503		19891130	<
WO	9107874			A1	19910613	WO 1990-EP2020		19901126	<
	W: AU,	CA,	HU,	JP,	KR, SU, US				
	RW: AT,	BE,	CH,	DE,	DK, ES, FR,	GB, GR, IT, LU, NL,	SE		
AU	9168863			A	19910626	AU 1991-68863		19901126	<
ΑU	653506			B2	19941006				
HU	60593			A2	19921026	HU 1992-1797		19901126	<
HU	218970			В	20010129				
JP	05503086			T	19930527	JP 1991-500106		19901126	<
JP	3088456			B2	20000918				
EΡ	635996			A1	19950201	EP 1990-917518		19901126	<
EΡ	635996			B1	19980211				
	R: AT,	BE,	CH,			GB, GR, IT, LI, NL,	SE		
AΤ	163124			T	19980215	AT 1990-917518		19901126	<
ES	2114862			Т3	19980616	ES 1990-917518		19901126	<
HU	218970			В	20010129	HU 1997-92017		19901126	<
	2069901			C	20011030			19901126	
RU	2228619			C2	20040520	RU 1990-5052227		19901126	<

IL 96	496	A	19941229	IL	1990-96496		19901128	<
CN 10	52115	A	19910612	CN	1990-109551		19901129	<
CN 10	51078	C	20000405					
ZA 90	09591	A	19910925	za	1990-9591		19901129	<
LV 10	1359	В	19960220	LV	1993-307		19930507	<
LT 33	172	В	19950825	LT	1993-711		19930625	<
US 57	00758	A	19971223	US	1995-468850		19950606	<
US 57	03008	A	19971230	US	1995-476065		19950607	<
PRIORITY A	APPLN. INFO.:			DE	1989-3939503	Α	19891130	
				WO	1990-EP2020	A	19901126	
				US	1992-848998	В3	19920421	

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT OTHER SOURCE(S): MARPAT 115:92261 GT

- AB The title compds. [I; X = halo, haloalkyl; n = 1-3; Rl = H, alkyl, cycloalkyl, trialkylsilyl, trialkylsilylmethyl, alkoxyalkyl; R2, R3 = H, alkyl, cycloalkyl, alkenyl, alkyl, haloalkyl, alkoxyalkyl, hydroxyalkyl, alkoxycarbonyl, alkylcarbonyl, alkylaminocarbonyl, halo, cyano, (substituted) Ph, R2R3 = atoms to form a ringl, were prepared Thus, methacrylonitrile and Et3N at 70° were treated with Et 2-chloroglyoxalate 2,3-dichlorophenylhydrazone in dimethoxy ethane over 0.5 h; the mixture was stirred 4 h at 80° to give title compound II. II at 1.25 kg/ha reduced damage to wheat caused by 2.0 kg/ha Et feroxaprop from 70% to 30%. Other I gave complete protection.
  - 135590-92-0P RL: SPN (Synthetic preparation); PREP (Preparation)
  - (preparation of, as herbicide safener)
- RN 135590-92-0 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-5-phenyl-, ethyl ester (CA INDEX NAME)

OS.CITING REF COUNT: 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD
(9 CITINGS)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1989:23882 HCAPLUS

DOCUMENT NUMBER: 110:23882

ORIGINAL REFERENCE NO.: 110:4041a,4044a

TITLE: Insecticidal pyrazolinecarboxanilidess, and their

compositions and use in insect control

INVENTOR(S):

Stevenson, Thomas Martin PATENT ASSIGNEE(S): du Pont de Nemours, E. I., and Co., USA

SOURCE: PCT Int. Appl., 145 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8805046	A2	19880714	WO 1988-US1	19880104 <
WO 8805046	A3	19880811		
W: SD, US				
EP 330678	A1	19890906	EP 1988-900910	19871214 <
EP 330678	B1	19901024		
R: AT, BE, CH,	DE, FR	, GB, IT, LI	, LU, NL, SE	
ES 2008408	A6	19890716	ES 1988-6	19880104 <
CN 88100104	A	19880720	CN 1988-100104	19880105 <
ZA 8800040	A	19890927	ZA 1988-40	19880105 <
US 5091405	A	19920225	US 1989-378529	19890512 <
PRIORITY APPLN. INFO.:				1 19870105
			US 1987-113530 A	1 19871028
			WO 1988-US1 W	19880104

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT OTHER SOURCE(S): MARPAT 110:23882 GI

AΒ The title compds. [I; R1 = substituted Ph; R2 = (un)substituted Ph; X = 0, S; Y = H, alkyl, alkoxyalkyl, alkylthio, haloalkylthio, alkoxycarbonyl, CHO, alkanoyl, haloalkanoyl, (un) substituted PhS; A = H, alkyl, cyano, CO2R3, COR3, CONR3R4, CSNR3R4, C(S)R3, CS2R3, (un)substituted Ph; B = H, alkyl, haloalkyl, alkoxyalkyl, cyanoalkyl, alkoxycarbonylalkyl, alkenyl, alkynyl, alkoxycarbonyl, (un) substituted Ph, PhCH2; R3 = (halo) alkyl, (halo)alkenyl, (halo)alkynyl, alkoxyalkyl, alkylthioalkyl, nitroalkyl, cyanoalkyl, alkoxycarbonylalkyl, (halo)cycloalkyl, (un)substituted Ph, PhCH2; R4 = H, alkyl; R3R4 = (CH2)4, (CH2)5, CH2CH2OCH2CH2] are prepared as insecticides. Reaction of 4-CLC6H4NHN:CCICO2Et (preparation given) with 4-ClC6H4CH:CH2 via formation and dipolar cycloaddn. of a nitrile-imine (Et3M in C6H6) gave Et 1,5-bis(4-chlorophenyl)-4,5-dihydro-1H-pyrazole-3-carboxylate, which was saponified, converted to the acid chloride, amidated with 4-H2NC6H4CF3 to give pyrazolinecarboxanilide II. A formulation contained 10% II on attapulgite granules. As a spray at 0.55 kg/ha II gave  $\geq$ 80% kill of Spodoptera frugiperda larvae.

IT 118010-87-0P 118010-91-6P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation and conversion of, to acid chloride)

RN 118010-87-0 HCAPLUS CN 1H-Pyrazole-3-carbox

1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro- (CA INDEX NAME)

RN 118010-91-6 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1-(3,4-dichlorophenyl)-5-(4-fluorophenyl)-4,5-dihydro- (CA INDEX NAME)

IT 118010-85-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and saponification and amidation of)

RN 118010-85-8 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-5-methyl-, ethyl ester (CA INDEX NAME)

IT 118010-70-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and saponification of)
RN 118010-70-1 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-, ethyl ester (CA INDEX NAME)

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IT
     118010-64-3P
                      118010-65-4P
                                        118010-66-5P
     118010-68-7P
                      118010-69-8P
                                        118010-70-1P
                                        118010-73-4P
     118010-71-2P
                      118010-72-3P
     118010-74-5P
                      118010-75-6P
                                        118010-76-7P
     118010-77-8P
                                        118010-79-0P
                      118010-78-9P
     118010-80-3P
                      118010-81-4P
```

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation); BIOL (Biological study); PREP (Preparation); USES (Uses

RN 118010-64-3 HCAPLUS

RN 11010-04-3 HCAPDDS
CN 1H-Pyrazole-3-carboxylic acid, 5-(4-chlorophenyl)-1-(4-fluorophenyl)-4,5dinydro- (CA INDEX NAME)

RN 118010-65-4 HCAPLUS

1H-Pyrazole-3-carboxylic acid, 5-(4-cyanophenyl)-1-(4-fluorophenyl)-4,5-CN dihydro- (CA INDEX NAME)

RN 118010-66-5 HCAPLUS CN

1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(4-fluorophenyl)-4,5dihydro- (CA INDEX NAME)

HO<sub>2</sub>C

RN 118010-68-7 HCAPLUS

1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(3,4-difluorophenyl)-CN 4,5-dihydro- (CA INDEX NAME)

10589743

RN 118010-69-8 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

RN 118010-70-1 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-, ethyl ester (CA INDEX NAME)

- RN 118010-71-2 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(4-fluorophenyl)-4,5dihydro-, methyl ester (CA INDEX NAME)

- RN 118010-72-3 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(4-cyanophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

- RN 118010-73-4 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-4,5-dihydro-5-[4-(trifluoromethyl)phenyl]-, methyl ester (CA INDEX NAME)

- RN 118010-74-5 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(3,4-dichlorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

- RN 118010-75-6 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(3,4-difluorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

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10589743.trn 07/15/2010

10589743

- RN 118010-76-7 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 5-(3-chlorophenyl)-1-(4-chlorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

- RN 118010-77-8 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-5-methyl-, methyl ester (CA INDEX NAME)

- RN 118010-78-9 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 5-(4-chlorophenyl)-1-(4-fluorophenyl)-4,5-

## 10589743

dihydro-, methyl ester (CA INDEX NAME)

RN 118010-79-0 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-fluorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

RN 118010-80-3 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 5-(4-cyanophenyl)-1-(4-fluorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

10589743.trn 07/15/2010

RN 118010-81-4 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 5-(3,4-difluorophenyl)-1-(4-fluorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

OS.CITING REF COUNT:

25 THERE ARE 25 CAPLUS RECORDS THAT CITE THIS RECORD (28 CITINGS)

## => d l10 ibib abs hitstr tot

L10 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2002:793411 HCAPLUS
DOCUMENT NUMBER: 137:310911

TITLE: Utilizatio

Utilization of pyrazoline derivatives, as inhibitors of the expression of the gene responsible for COX-2 synthesis, in the preparation of a medicament for the prevention and/or treatment of proliferative cell

diseases
INVENTOR(S): Cuberes-

Cuberes-Altisent, Maria Rosa; Berrocal-Romero, Juana Maria; Contijoch-Llobet, Maria Montserrat;

Maria; Contijoch-Llobet, Maria Montserrat; Frigola-Constansa, Jordi

PATENT ASSIGNEE(S): Laboratorios del Esteve, S.A., Spain

SOURCE: PCT Int. Appl., 54 pp.

10589743.trn 07/15/2010

Page 55

CODEN: PIXXD2

DOCUMENT TYPE: LANGUAGE: Patent Spanish

FAMILY ACC. NUM. COUNT: 1 PATENT INFORMATION:

	TENT				KIN	)	DATE			APP	LICAT	CION	NO.		D.	ATE		
	2002	O809 AE, CO, GM, LS, PL,	AG, CR, HR, LT, PT,	AL, CU, HU, LU, RO,	A1 AM, CZ, ID, LV, RU,	AT, DE, IL, MA, SD,	2002 AU, DK, IN, MD, SE, YU,	AZ, DM, IS, MG, SG,	BA, DZ, JP, MK, SI,	WO BB EC KE MN SK	2002- , BG, , EE, , KG, , MW,	BR, ES, KP, MX,	BY, FI, KR, MZ,	BZ, GB, KZ, NO,	CA, GD, LC, NZ,	OO20 CH, GE, LK, OM,	321 CN, GH, LR, PH,	
		GH, CY, BF,	GM, DE,	KE, DK,	LS, ES, CG,	MW, FI,	MZ, FR, CM,	SD, GB, GA,	SL, GR, GN,	SZ IE GQ	, TZ, , IT, , GW,	LU,	MC, MR,	NL,	PT, SN,	SE, TD,	TR,	
	2174 2174				A1 B1		2002 2003	1101								0010		
CA CA	2442 2442	974 974								CA	2002-	-2442	974		2	0020	321	<
AU AU	2442 2442 2002 2002 1384	2461 2461	52 52		A1 B2		2002	1021 0531		AU	2002-	-2461	52		2	0020	321	<
EP EP	1384 1384	477 477			A1 B1		2004	0128 0524		EP	2002-	-7142	33		2	0020	321	<
	R:	AT,			DE,	DK,	ES,	FR,				LI,	LU,	NL,	SE,	MC,	PT,	
COL	1509 1299	171			A		2004	0630		CN	2002-	-8098						
BR HU HU	2002 2004 2004 2004 4451 2003	0088 0009	05 18 18		A A2 A3		2004 2004 2004	0713 0728 1028		BR HU	2002- 2004-	-8805 -918			2	0020 0020	321 321	<
JP .TP	2004	5251 599	66		T B2		2004	0819		JP	2002-	-5789	48		2	0020	321	<
EP	2003 1516 1516	621	26				2004 2005 2005			ZA EP	2003- 2004-	-8626 -3075	1		2	0020 0020	321 321	<
	R: 1698 5293	IE.	SI.	FI.	RO.	CY.	ES, TR 2005			CN	2005-	LI, -1007 -5293	1309		2	MC, 0020 0020	321	•
AT PT ES	3269 1384 2264 2305 2004	66 477 723 545			T E T3 C2		2005 2006 2006 2007 2007 2004 2003	0615 0929 0116 0910		AT PT ES RU	2002- 2002- 2002- 2003-	-7142 -7142 -7142 -1324	33 33 33 57		2 2 2	0020 0020 0020	321 321 321 321	
NO MX HK	2003 2003 1067	311					2004 2003 2005 2007			US NO MX HK	2002- 2003- 2003- 2004-	-3121 -4470 -9124 -1103 -818 -8098	93 41		2 2 2	0021 0031 0031 0041	217 006 006 230	
PRIORIT	Y APP	LN.	INFO	.:						EP	2002-	-818 -8098 -7142 -ES13	33		A 2 A3 2 A3 2 W 2	0020	321	
THER SO	OURCE	(S):			MARI	PAT	137:	3109										

AB The invention relates to pyrazoline derivs. I [wherein R1 = H, Me, CH2F, CHF2, CF3, CO2H, C1-4 alkoxycarbonyl, CONH2, or cyano; R2 = H or Me; R3, R4, R7, R8 = H, C1, F, Me, CF3, or OMe; R5, R6 = H, C1, F, Me, CF3, OMe, OCF3, SO2Me, SO2NH2, or SO2NHAc, provided that 1 of R5 or R6 = SO2Me, SO2NH2, or SO2NHAc, and provided that if R1 = Me, then: R2 = H or Me; R3 and R8 = H, C1, F, Me, or CF3; R4 = H, F, Me, CF3, or OMe; R5 = F, CF3, CF30, SO2Me, SO2NH2, or SO2NHAC; R6 = H, C1, F, Me, CF3, OMe, OCF3, SO2Me, SO2NH2, or SO2NHAc, provided that 1 of the substituents R5 or R6 = SO2Me, SO2NH2, or SO2NHAC; and R7 = H, Cl, F, Me, CF3, or OMe; including physiol. acceptable salts]. I are useful for the prevention or treatment of proliferative cell diseases. In particular, I are useful for treatment of pre-neoplastic or neoplastic processes, tumoral angiogenesis, cachexia, and processes related to tumor necrosis factor (TNF). Generally, I are useful for treating processes where there would be benefit by inhibiting the expression of the gene responsible for the synthesis of cyclooxygenase 2 (COX-2), notably in mammals, and particularly in humans. A list of 84 specific examples is provided, and a similar list of 84 compds. (1 difference) is claimed. Six examples of individual enantiomers are given, the remainder being racemic. For instance, condensation of 2,4-difluorobenzaldehyde with either CH3COCF3 (68%) or the reaction product of LiCH2PO3Et2 with PhN:C(Cl)CF3 (81%) gave (E)-1,1,1-trifluoro-4-(2,4-difluorophenyl)-3-buten-2-one. Cyclocondensation of the latter enone with 4-(H2NSO2)C6H4NHNH2.HCl gave 61% invention compound (±)-II, which was resolved by chromatog. on CHIRALPAK AS to give (+) - and (-)-II with enantiomeric purities of 99.9% or greater. In tests against human colorectal cancer cell lines NC59 and TD20, (±)-II had IC50 values of 29.87 and 33.87 µM, resp. I also inhibited the induction of COX-2 in JURKAT cells, were active against breast cancer cells in culture (IC50 12-18 µM), inhibited angiogenesis (as determined by induction of expression of VEGF and TF in cell culture), and inhibited production of TNF- $\alpha$  in the air-pouch model in mice. 251443-24-0P, 1-(4-Aminosulfonvlphenvl)-4,5-dihvdro-5-(4methylphenyl)-1H-pyrazole-3-carboxylic acid 251443-25-1P, 1-(4-Aminosulfonylphenyl)-4,5-dihydro-5-phenyl-1H-pyrazole-3-carboxylic acid 251443-26-2P, 4,5-Dihydro-5-(4-methylphenyl)-1-(4methylsulfonylphenyl)-1H-pyrazole-3-carboxylic acid 251443-27-3P , Methyl 1-(4-aminosulfonylphenyl)-4,5-dihydro-5-(4-methylphenyl)-1H-

10589743.trn 07/15/2010 Page 57

pyrazole-3-carboxylate 251443-28-4P, Methyl

 $\label{lem:condition} $$1-(4-aminosulfonylphenyl)-4,5-dihydro-5-phenyl-1H-pyrazole-3-carboxylate $$251443-29-5P$, Methyl 4,5-dihydro-5-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methylphenyl)-1-(4-methyl$ 

methylsulfonylphenyl)-1H-pyrazole-3-carboxylate

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (USes)

(drug candidate; preparation and use of pyrazoline derivs. as COX-2 gene expression inhibitors for prevention and/or treatment of proliferative cell diseases)

N 251443-24-0 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-(4-methylphenyl)- (CA INDEX NAME)

- RN 251443-25-1 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5phenyl- (CA INDEX NAME)

- RN 251443-26-2 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-(4-methylphenyl)-1-[4-(methylsulfonyl)phenyl]- (CA INDEX NAME)

- RN 251443-27-3 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-(4-methylphenyl)-, methyl ester (CA INDEX NAME)

- RN 251443-28-4 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5phenyl-, methyl ester (CA INDEX NAME)

- RN 251443-29-5 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-(4-methylphenyl)-1-[4-(methylsulfonyl)phenyl]-, methyl ester (CA INDEX NAME)

OS.CITING REF COUNT: 21 THERE ARE 21 CAPLUS RECORDS THAT CITE THIS

RECORD (21 CITINGS)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1999:784081 HCAPLUS

DOCUMENT NUMBER: 132:12302

TITLE: Diarylpyrazoles as inhibitors of cyclooxygenase-2 INVENTOR(S): Cuberes-Altisent, Maria Rosa; Berrocal-Romero, Juana

Maria; Contijoch-Llobet, Maria Montserrat;

Frigola-Constansa, Jordi

PATENT ASSIGNEE(S): Laboratorios Del Esteve, S.A., Spain

SOURCE: PCT Int. Appl., 60 pp. CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Spanish

FAMILY ACC. NUM. COUNT: 1 PATENT INFORMATION:

PAT	ENT I	. OV			KIN	D :	DATE					ION 1			D	ATE	
WO	9962	884			A1	_	1999	1209							1	9990	527 <
	W:	DE, JP,	DK, KE,	EE, KG,	ES, KP,	FI, KR,	GB, KZ,	GD, LC,	GE, LK,	GH, LR,	GM, LS,	BY, HR, LT, SE,	HU, LU,	ID, LV,	IL, MD,	IN, MG,	IS, MK,
											ZA,		JU,	51,	on,	or,	10,
	RW:											AT,					
											NL,	PT,	SE,	BF,	ВJ,	CF,	CG,
ES	2137											1129			1	9980	529 <
ES	2137	138			B1		2000	0916									
CA	2333	475			A1		1999	1209	(	CA 1	999-	2333	175		13	9990	527 <
CA	2333	475			C		2009	1208									
ΑU	9939	329			A		1999	1220	- 2	AU 1	999-	39329	9		1:	9990	527 <
ΑU	7520	01			B2		2002	0905									
	1083								1	EP 1	999-	92219	92		1	9990	527 <
EΡ	1083	171			В1		2004	0428									
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BR	9910	801			A		2001	1127	1	BR 1	999-	1080	1		1	9990	527 <

SI 20580	A	20011231	SI	1999-20042		19990527	<
HU 2001002102	A2	20020328	HU	2001-2102		19990527	<
HU 2001002102	A3	20020628					
JP 2002516908	T	20020611	JP	2000-552096		19990527	<
NZ 508990	A	20021220	NZ	1999-508990		19990527	<
TW 572898	В	20040121	TW	1999-8810870	)9	19990527	<
AT 265437	T	20040515	AT	1999-922192		19990527	<
RU 2233272	C2	20040727	RU	2000-133231		19990527	<
PT 1083171	E	20040930	PT	1999-922192		19990527	<
ES 2221382	T3	20041216		1999-922192		19990527	<
CN 1189459	C	20050216	CN	1999-808111		19990527	
SK 285550	B6	20070301	SK	2000-1807		19990527	
CZ 298391	B6	20070919		2000-4418		19990527	
NO 2000006029	A	20010126	NO	2000-6029		20001128	<
BG 105005	A	20010831	BG	2000-105005		20001128	<
BG 64950	B1	20061031					
LT 4879	В	20020125		2000-108		20001128	
US 6353117	B1	20020305		2000-701276		20001128	
US 38963	E1	20060131		2000-229880		20001128	
MX 2000011839	A	20010521		2000-11839		20001129	<
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ZA 2000007638	A	20011113		2000-7638		20001219	<
IN 2000KN00668	A	20050311		2000-KN668		20001227	
LV 12632	В	20010720		2000-161		20001228	<
PRIORITY APPLN. INFO.:				1998-1129	A	19980529	
				1999-ES156	W	19990527	
ACCIONMENT DICTORY FOR		T AWATTABLE	T NI T	CHE DIEDIAV	PODMAT		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT OTHER SOURCE(S): MARPAT 132:12302 GI

AB Diarylpyrazoles I R1 = H, Me, CH2F, CHF2, CF3, CO2H, alkoxycarbonyl, carbamoyl, CN; R2 = H, Me, R3, R4, R7, R8 = H, Cl, F, Me, CF3, OMe; R5 = H, Cl, F, Me, CF3, OMe, OCF3, R6 = SO2Me, SO2NH2, SO2NHAC; R5 = SO2Me, SO2NH2, SO2NHAC; R5 = SO2Me, R6 = H, Cl, F, Me, CF3, OMe, OCF3] were prepared for use in treating inflammation and other processes mediated by COX-2. Thus, 2,4-F2C6H3CH0 was treated with CF3COMe to give (E)-2,4-F2C6H3CH:CHCCCF3 which was cyclized with 4-H2NSO2C6H4NHNH2 to give I [R1 = CF3, R2-R4, R7, R8 = H, R5 = SO2Me, R6 = Me] which gave 92% inhibition of COX-2 activity at 40 mg/kg orally in rats.

IT 251443-24-0P 251443-26-2P

RL: RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (USEs)

(preparation of diarylpyrazoles as inhibitors of cyclooxygenase-2)

RN 251443-24-0 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-(4-methylphenyl)- (CA INDEX NAME)

RN 251443-26-2 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-(4-methylphenyl)-1-[4-(methylsulfonyl)phenyl]- (CA INDEX NAME)

IT 251443-25-1P 251443-27-3P 251443-28-4P 251443-29-5P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of diarylpyrazoles as inhibitors of cyclooxygenase-2)

RN 251443-25-1 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5phenyl- (CA INDEX NAME)

- RN 251443-27-3 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5-(4-methylphenyl)-, methyl ester (CA INDEX NAME)

- RN 251443-28-4 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-[4-(aminosulfonyl)phenyl]-4,5-dihydro-5phenyl-, methyl ester (CA INDEX NAME)

- RN 251443-29-5 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 4,5-dihydro-5-(4-methylphenyl)-1-[4-(methylsulfonyl)phenyl]-, methyl ester (CA INDEX NAME)

OS.CITING REF COUNT: 24 THERE ARE 24 CAPLUS RECORDS THAT CITE THIS RECORD (25 CITINGS)

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1991:492261 HCAPLUS DOCUMENT NUMBER: 115:92261

ORIGINAL REFERENCE NO.: 115:15883a,15886a

TITLE: Preparation of 1-phenylpyrazoline-3-carboxylates as

herbicide safeners

INVENTOR(S): Roesch, Wolfgang; Sohn, Erich; Bauer, Klaus; Bieringer, Hermann

PATENT ASSIGNEE(S): Hoechst A.-G., Germany SOURCE: GGr. Offen., 12 pp. CODEN: GWXXBX

DOCUMENT TYPE: Patent LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE \_\_\_\_ DE 3939503 A1 19910606 DE 1989-3939503 19891130 <--WO 9107874 A1 19910613 WO 1990-EP2020 19901126 <--W: AU, CA, HU, JP, KR, SU, US RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE AU 9168863 Α 19910626 AU 1991-68863 19901126 <--AU 653506 B2 19941006 HU 60593 A2 19921026 HU 1992-1797 19901126 <--HII 218970 R 20010129 JP 05503086 Т 19930527 JP 1991-500106 19901126 <--JP 3088456 B2 20000918 EP 635996 A1 19950201 EP 1990-917518 19901126 <--EP 635996 B1 19980211 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE AT 163124 19980215 AT 1990-917518 T 19901126 <--ES 2114862 Т3 19980616 ES 1990-917518 19901126 <--20010129 HU 218970 В HU 1997-92017 19901126 <--20011030 CA 1990-2069901 CA 2069901 C 19901126 <--RII 2228619 C2 20040520 RII 1990-5052227 19901126 <--

IL 96496	A	19941229	IL 1990-96496		19901128 <
CN 1052115	A	19910612	CN 1990-10955	1	19901129 <
CN 1051078	C	20000405			
ZA 9009591	A	19910925	ZA 1990-9591		19901129 <
LV 10359	В	19960220	LV 1993-307		19930507 <
LT 3372	В	19950825	LT 1993-711		19930625 <
US 5700758	A	19971223	US 1995-46885	)	19950606 <
US 5703008	A	19971230	US 1995-47606	5	19950607 <
PRIORITY APPLN. INFO.:			DE 1989-39395	03 A	19891130
			WO 1990-EP202	) A	19901126
			US 1992-84899:	B B3	19920421

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT OTHER SOURCE(S): MARPAT 115:92261 GT

- AB The title compds. [I; X = halo, haloalkyl; n = 1-3; Rl = H, alkyl, cycloalkyl, trialkylsilyl, trialkylsilylmethyl, alkoxyalkyl; R2, R3 = H, alkyl, cycloalkyl, alkenyl, alkyl, haloalkyl, alkoxyalkyl, hydroxyalkyl, alkoxycarbonyl, alkylcarbonyl, alkylaminocarbonyl, halo, cyano, (substituted) Ph; R2R3 = atoms to form a ringl, were prepared Thus, methacrylonitrile and Et3N at 70° were treated with Et 2-chloroglyoxalate 2,3-dichlorophenylhydrazone in dimethoxy ethane over 0.5 h; the mixture was stirred 4 h at 80° to give title compound II. II at 1.25 kg/ha reduced damage to wheat caused by 2.0 kg/ha Et feroxaprop from 70% to 30%. Other I gave complete protection.
  - 135590-92-0P RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of, as herbicide safener)
- RN 135590-92-0 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-5-phenyl-, ethyl ester (CA INDEX NAME)

OS.CITING REF COUNT: 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD
(9 CITINGS)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1989:23882 HCAPLUS

DOCUMENT NUMBER: 110:23882

ORIGINAL REFERENCE NO.: 110:4041a,4044a

TITLE: Insecticidal pyrazolinecarboxanilidess, and their Stevenson, Thomas Martin

compositions and use in insect control

INVENTOR(S):

PATENT ASSIGNEE(S): du Pont de Nemours, E. I., and Co., USA

SOURCE: PCT Int. Appl., 145 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8805046	A2	19880714	WO 1988-US1	19880104 <
WO 8805046 W: SD, US	A3	19880811		
EP 330678	A1	19890906	EP 1988-900910	19871214 <
EP 330678	B1	19901024		
R: AT, BE, CH,	DE, FR	, GB, IT, LI	, LU, NL, SE	
ES 2008408	A6	19890716	ES 1988-6	19880104 <
CN 88100104	A	19880720	CN 1988-100104	19880105 <
ZA 8800040	A	19890927	ZA 1988-40	19880105 <
US 5091405	A	19920225	US 1989-378529	19890512 <
PRIORITY APPLN. INFO.:			US 1987-326	11 19870105
			US 1987-113530 F	11 19871028
			WO 1988-US1 V	v 19880104

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT OTHER SOURCE(S): MARPAT 110:23882 GI

AΒ The title compds. [I; R1 = substituted Ph; R2 = (un)substituted Ph; X = O, S; Y = H, alkyl, alkoxyalkyl, alkylthio, haloalkylthio, alkoxycarbonyl, CHO, alkanoyl, haloalkanoyl, (un) substituted PhS; A = H, alkyl, cyano, CO2R3, COR3, CONR3R4, CSNR3R4, C(S)R3, CS2R3, (un)substituted Ph; B = H, alkyl, haloalkyl, alkoxyalkyl, cyanoalkyl, alkoxycarbonylalkyl, alkenyl, alkynyl, alkoxycarbonyl, (un) substituted Ph, PhCH2; R3 = (halo) alkyl, (halo)alkenyl, (halo)alkynyl, alkoxyalkyl, alkylthioalkyl, nitroalkyl, cyanoalkyl, alkoxycarbonylalkyl, (halo)cycloalkyl, (un)substituted Ph, PhCH2; R4 = H, alkyl; R3R4 = (CH2)4, (CH2)5, CH2CH2OCH2CH2] are prepared as insecticides. Reaction of 4-CLC6H4NHN:CCICO2Et (preparation given) with 4-ClC6H4CH:CH2 via formation and dipolar cycloaddn. of a nitrile-imine (Et3N in C6H6) gave Et 1,5-bis(4-chlorophenyl)-4,5-dihydro-IH-pyrazole-3-carboxylate, which was saponified, converted to the acid chloride, amidated with 4-H2KCH4CF3 to give pyrazolinecarboxanilide II. A formulation contained 10% II on attapulgite granules. As a spray at 0.55 kg/ha II gave  $\geq$ 80% kill of Sodoptera frugiperda larvae.

IT 118010-87-0P 118010-91-6P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation and conversion of, to acid chloride)

RN 118010-87-0 HCAPLUS CN 1H-Pyrazole-3-carbox

1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro- (CA INDEX NAME)

RN 118010-91-6 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1-(3,4-dichlorophenyl)-5-(4-fluorophenyl)4,5-dihydro- (CA INDEX NAME)

IT 118010-85-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and saponification and amidation of)

RN 118010-85-8 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-5-methyl-, ethyl ester (CA INDEX NAME)

118010-70-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and saponification of) 118010-70-1 HCAPLUS RN

CN

1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-, ethyl ester (CA INDEX NAME)

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IT
     118010-64-3P
                      118010-65-4P
                                        118010-66-5P
     118010-68-7P
                      118010-69-8P
                                        118010-70-1P
                                        118010-73-4P
     118010-71-2P
                      118010-72-3P
     118010-74-5P
                      118010-75-6P
                                        118010-76-7P
     118010-77-8P
                                        118010-79-0P
                      118010-78-9P
     118010-80-3P
                      118010-81-4P
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RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of, as insecticide)

118010-64-3 HCAPLUS RN

CN 1H-Pyrazole-3-carboxylic acid, 5-(4-chlorophenyl)-1-(4-fluorophenyl)-4,5dihydro- (CA INDEX NAME)

RN 118010-65-4 HCAPLUS

1H-Pyrazole-3-carboxylic acid, 5-(4-cyanophenyl)-1-(4-fluorophenyl)-4,5-CN dihydro- (CA INDEX NAME)

RN 118010-66-5 HCAPLUS CN

1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(4-fluorophenyl)-4,5dihydro- (CA INDEX NAME)

HO<sub>2</sub>C

RN 118010-68-7 HCAPLUS

1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(3,4-difluorophenyl)-CN 4,5-dihydro- (CA INDEX NAME)

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RN 118010-69-8 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

RN 118010-70-1 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-, ethyl ester (CA INDEX NAME)

- RN 118010-71-2 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(4-fluorophenyl)-4,5dihydro-, methyl ester (CA INDEX NAME)

- RN 118010-72-3 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(4-cyanophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

- RN 118010-73-4 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-4,5-dihydro-5-[4-(trifluoromethyl)phenyl]-, methyl ester (CA INDEX NAME)

- RN 118010-74-5 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(3,4-dichlorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

- RN 118010-75-6 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1-(4-chlorophenyl)-5-(3,4-difluorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

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- RN 118010-76-7 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 5-(3-chlorophenyl)-1-(4-chlorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

- RN 118010-77-8 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-chlorophenyl)-4,5-dihydro-5-methyl-, methyl ester (CA INDEX NAME)

- RN 118010-78-9 HCAPLUS
- CN 1H-Pyrazole-3-carboxylic acid, 5-(4-chlorophenyl)-1-(4-fluorophenyl)-4,5-

dihydro-, methyl ester (CA INDEX NAME)

RN 118010-79-0 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1,5-bis(4-fluorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

RN 118010-80-3 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 5-(4-cyanophenyl)-1-(4-fluorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME)

- RN
- 118010-81-4 HCAPLUS
  1H-Pyrazole-3-carboxylic acid, 5-(3,4-difluorophenyl)-1-(4-fluorophenyl)-4,5-dihydro-, methyl ester (CA INDEX NAME) CN

- OS.CITING REF COUNT:
- 25 THERE ARE 25 CAPLUS RECORDS THAT CITE THIS RECORD (28 CITINGS)

=> log y COST IN U.S. DOLLARS	SINCE FILE	TOTAL SESSION
FULL ESTIMATED COST	90.08	281.84
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL
CA SUBSCRIBER PRICE	-11.05	-11.05

STN INTERNATIONAL LOGOFF AT 15:50:13 ON 04 MAY 2010